IN THE CLAIMS:

1. (Currently Amended) A syringe adapter for use with an injector, the syringe adapter comprising:

a rear mounting member adapted to engage a syringe retaining mechanism associated with the injector; and

a front mounting member adapted to engage a corresponding mounting member associated with a syringe to install the syringe on the injector,

wherein the rear mounting member is adapted to engage the syringe retaining mechanism of the injector regardless of the orientation of the syringe adapter with respect to the injector.

2. (Currently Amended) A syringe adapter for use with an injector, the syringe adapter comprising:

a rear mounting member adapted to engage a syringe retaining mechanism associated with the injector; and

a front mounting member adapted to engage a corresponding mounting member associated with a syringe to install the syringe on the injector, ~~The syringe adapter of claim 1~~ wherein the front mounting member comprises at least one capture member adapted to engage the corresponding mounting member associated with the syringe, the at least capture member,

wherein the at least one capture member includes an annular surface terminating with a continuous distal ledge.

3. (Previously presented) The syringe adapter of claim 2 wherein the at least one capture member is movable to engage the corresponding mounting member associated with the syringe.

4. (Previously presented) The syringe adapter of claim 1 wherein the rear mounting member comprises at least one attachment member adapted to engage the syringe retaining mechanism of the injector.

5. (Previously presented) The syringe adapter of claim 4 wherein the at least one attachment member comprises an annular ridge disposed on the body.

6. (Previously presented) The syringe adapter of claim 4 wherein the rear mounting member further comprises one or more projections adapted to engage corresponding members of the syringe retaining mechanism to enable release of the syringe from the injector through rotational motion.

7. (Previously presented) The syringe adapter of claim 4 wherein the at least one attachment member comprises one or more tab members.

8. (Previously presented) The syringe adapter of claim 7 wherein each of the tab members comprises a first tab end attached to the adapter and a second tab end adapted to engage the syringe retaining mechanism of the injector.

9. (Previously presented) The syringe adapter of claim 7 wherein the tab members are resilient members.

10. (Previously presented) The syringe adapter of claim 7 wherein the tab members are integrally formed with the adapter.

11. (Previously presented) The syringe adapter of claim 1 wherein the rear mounting member is moved in an axial direction to engage the syringe retaining mechanism of the injector.

12. (Previously presented) The syringe adapter of claim 1 wherein the rear mounting member is moved in a vertical direction to engage the syringe retaining mechanism of the injector.

13. (Canceled)

14. (Previously Presented) A method of adapting an injector to accept a syringe, the method comprising:

installing an adapter configured to accept the syringe on the injector without regard to the orientation of the adapter with respect to the injector; and

mounting the syringe on the adapter.

15. (New) A syringe adapter for use with an injector, the syringe adapter comprising:

a rear mounting member adapted to engage a syringe retaining mechanism associated with the injector; and

a front mounting member adapted to engage a corresponding mounting member associated with a syringe to install the syringe on the injector,

wherein the at least one capture member is movable to engage the corresponding mounting member associated with the syringe,

wherein the rear mounting member comprises at least one attachment member adapted to engage the syringe retaining mechanism of the injector,

wherein the rear mounting member further comprises one or more projections adapted to engage corresponding members of the syringe retaining mechanism to enable release of the syringe from the injector through rotational motion.